BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work: Improvements to Drains of shabarinagara & surrounding areas in ward no.07 Byataranapura.

Measurements

Estimate cost: 25.00 lakhs

Ward 7 byatarayanapura

BRUHAT BANGALORE MAHANAGARA PALIKE

KODIGEHALLI SUB DIVISION- WARD 7 BYATARAYANAPURA

Agency Sri.Vishnu M.Gowda

Name of work: Improvements to Drains of shabarinagara & surrounding areas in ward no.07 Byataranapura.

Work order

Amount:-1867203.36

Sl NO	Description of work	ch	No	L	B	D	QTY	
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. B.Cement Concrete Grade M-15 & M-20.							
	Amruthahalli circle to ashwathkatte	0-30	1	30	0.15	0.2	0.9	
		30-60	1	30	0.15	0.2	0.9	
		60-90	1	30	0.15	0.2	0.9	
		90-120	1	30	0.15	0.2	0.9	
		120-150	1	30	0.15	0.2	0.9	
		150-180	1	30	0.15	0.2	0.9	
		180-210	1	30	0.15	0.2	0.9	
		210-240	1	30	0.15	0.2	0.9	
		240-270	1	30	0.15	0.2	0.9	
		270-310	1	40	0.15	0.2	1.2	
						cum	9.30	
2	Removing and refixing stone slabs of drains and pointing in CM(1:3),							
	Amruthahalli circle to ashwathkatte	0-30	1	30	0.9		27	
		30-60	1	30	0.9		27	
		60-90	1	30	0.9		27	
		90-120	1	30	0.9		27	
		120-150	1	30	0.9		27	
		150-180	1	30	0.9		27	
		180-210	1	30	0.9		27	
		210-240	1	30	0.9		27	
		240-270	1	30	0.9		27	
		270-310	1	40	0.9		36	
						sqm	279.00	

Verified 148

NDP DE(Tech) 5/8/2020

Cafe 2268

NDP DE(Tech) 27/8/2020

(Contractor)

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore

3	Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications..							
	Amruthahalli circle to ashwathkatte	cum						
		0-30	1	30	0.6	0.75	13.50	
		30-60	1	30	0.6	0.75	13.50	
		60-90	1	30	0.6	0.75	13.50	
		90-120	1	30	0.6	0.75	13.50	
		120-150	1	30	0.6	0.75	13.50	
		150-180	1	30	0.6	0.75	13.50	
		180-210	1	30	0.6	0.75	13.50	
		210-240	1	30	0.6	0.75	13.50	
		240-270	1	30	0.6	0.75	13.50	
		270-310	1	40	0.6	0.75	18.00	
							139.50	
	cross road Byregowda layout							
		0-21	2	21	0.95	0.75	29.93	
		0-21	1	21	0.95	0.75	14.96	
							44.89	
	Talakveri layout							
		0-15	1	15	0.9	0.75	10.13	
		0-13	1	13	0.9	0.75	8.78	
		0-30	1	30	0.9	0.75	20.25	
		30-46	1	16	0.9	0.85	12.24	
		0-16	1	16	0.9	0.95	13.68	
							65.07	
						cum	249.46	
						Qty Ltd to	245.48	

NDP DE(WS)

NDP DE(WS)

NDP DE(WS)

Assistant Executive Engineer

(Contractor)

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Z
Bangalore

4	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications							
	cross road Byregowda layout	cum						
		0-21	2	21	0.9	0.15	5.67	
		0-21	1	21	0.9	0.15	2.84	
							8.51	
	Talakaveri layout	0-15	1	15	0.9	0.15	2.03	
		0-13	1	13	0.9	0.15	1.76	
		0-30	1	30	0.9	0.15	4.05	
		30-46	1	16	0.9	0.15	2.16	
		0-16	1	16	0.9	0.15	2.16	
							12.15	
						Total	20.66	
						Qty Ltd to	17.96	

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Yelahanka Zone, B.B.M.P.
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6	**Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications**							
		tonne		L	no of rods	le of u bar	Total length	
	LHS		two sides				**10mm**	8mm
	Main rod	0-21	2	21	235	1.7	799	
	distribution		2	21	7	21		294
	Main rod	0-21	1	21	235	1.7	399.5	
	distribution		1	21	7	21		147
	Talakaveri layout							
	Main rod	0-15	1	15	170	1.7	289	
	distribution		1	15	7	15		105
	Main rod	0-13	1	13	150	1.8	270	
	distribution		1	13	7	13		91
	Main rod	0-30	1	30	335	1.8	603	
	distribution		1	30	7	30		210
	Main rod	30-46	1	16	175	1.9	332.5	
	distribution		1	16	7	16		112
	Main rod	0-16	1	16	175	2	350	
	distribution		1	16	7	16		112
							3043	**1071**
							0.62 kg/cum	0.39kg/cum
							1886.66	417.69
							2304.35	**1.72**

2.30

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Yelahanka Zone, B.B.M.P.,
Bangalore.

(Contractor)

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Yelahanka Zone, B.B.M.P.,
Bangalore.

7	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular slabs /side walls polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge							
	cross road Byregowda layout	sqm						
		0-21	8	21		0.45	75.60	
		0-21	4	21		0.45	37.80	
							113.40	
	Talakaveri layout	0-15	4	15		0.4	24.00	
		0-13	4	13		0.4	20.80	
		0-30	4	30		0.45	54.00	
		30-46	4	16		0.45	28.80	
		0-16	4	16		0.6	38.40	
							166.00	
					Total		279.40	
					Qty Ltd to		226.80	
5	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite matel coarse aggregates @ 0.878 cum and fine aggragtes @ 0.53cum, machine mixed concrete laid in layers not eceeding 15 cms, thick well compacted, in foundation, plinth and cills including cost of all materials, labour HOM machinery curing complate as per specifications.							
	cross road Byregowda layout							
	Bottom	0-21	2	21	0.6	0.15	3.78	
		0-21	1	21	0.6	0.15	1.89	
							5.67	
	Side wall		4	21	0.15	0.45	5.67	
			2	21	0.15	0.45	2.84	
							8.51	
	Talakaveri layout	0-15	1	15	0.6	0.15	1.35	
	Bottom	0-13	1	13	0.6	0.15	1.17	
		0-30	1	30	0.6	0.15	2.70	
		30-46	1	16	0.6	0.15	1.44	
		0-16	1	16	0.6	0.15	1.44	
							8.10	
	Side wall							
			2	15	0.15	0.4	1.80	
			2	13	0.15	0.4	1.56	
			2	30	0.15	0.45	4.05	
			2	16	0.15	0.45	2.16	
			2	16	0.15	0.6	2.88	12.45
					12.45		28.65	
					Total		50.93	34.73
					Qty Ltd to		31.19	

Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P., Bangalore.

Assistant Engineer

(Contractor)

Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P., Bangalore

8	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete10cms thick					
	cross road Byregowda layout					
		0-21	70	0.6	0.75	31.50
		0-21	35	0.6	0.75	15.75
	Missing slabs	0-30	50	0.6	0.9	27.00
		0-30	37	0.6	0.9	19.98
					Total	94.23
9	Providing one line dressing to granite stone slabs/granite stone masonry as per specifications.					
	cross road Byregowda layout					
		0-21	70	0.75		52.50
		0-21	35	0.75		26.25
	Missing slabs	0-30	50	0.9		45.00
		0-30	37	0.9		33.30
					Total	157.05
					Qty Ltd to	94.05
10	Providing and fixing 10cms thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrette laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing complete as per specfications					
		sqm				
	Talakaveri layout	0-15	25	0.6	0.75	11.25
		0-13	22	0.6	0.75	9.90
		0-30	50	0.6	0.75	22.50
		30-46	27	0.6	0.75	12.15
		0-16	27	0.6	0.75	12.15
						67.95
	Missing slabs					
	Vayunandhan layout main road		60	0.6	0.75	27.00
			50	0.6	0.9	27.00
			60	0.6	0.75	27.00
			67	0.6	0.9	36.18
						117.18
					sqm	185.13

Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P., Bangalore.

Assistant Executive Engineer, Kodigehalli Sub Division, B.B.M.P.

11	Providing and fixing 20 cm thick pre cast RCC covering slab using reinforced cement concrete M 20 mix with stone aggregate 20 mm and down size including centring shuttering reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing comlete as per specification						
	Amruthahalli circle to ashwathkatte	sqm					
		0-30	45	0.60	0.75	20.25	
		30-60	45	0.60	0.75	20.25	
		60-90	45	0.60	0.75	20.25	
		90-120	45	0.60	0.75	20.25	
		120-150	45	0.60	0.75	20.25	
		150-180	45	0.60	0.75	20.25	
		180-210	45	0.60	0.75	20.25	
		210-240	45	0.60	0.75	20.25	
		240-270	45	0.60	0.75	20.25	
		270-310	50	0.60	0.75	22.50	
						204.75	
					Qty Ltd to	186.3	
12	Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH item no. 163					248.78 cum ~~446.41~~ cum	
					cum	~~258.76~~	

Assistant Engineer
Ward No.07

Assistant Executive Engineer
Kodigehalli Sub division

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mananagara Palike
Bangalore - 560 092

Executive Engineer
Byatarayanapura Division

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.